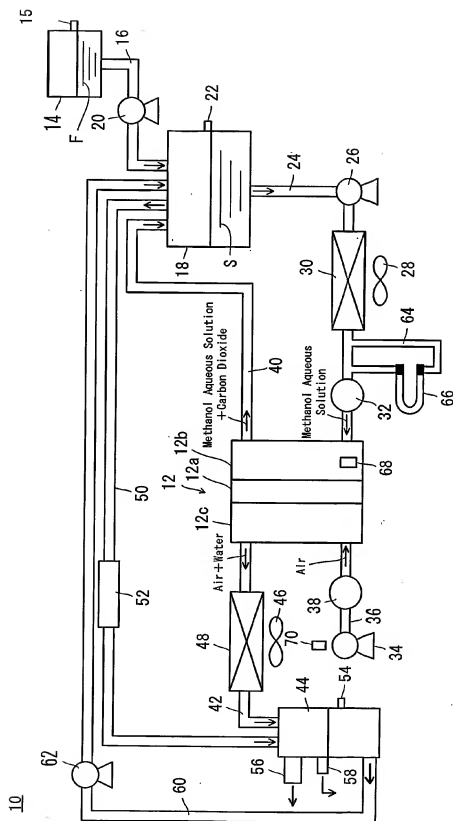


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FIG. 1



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F I G. 3

Cell stack temperature	5°C>	5°C≤ 15°C>	15°C≤ 25°C>	25°C≤
Target concentration	10wt%	8wt%	6wt%	5wt%

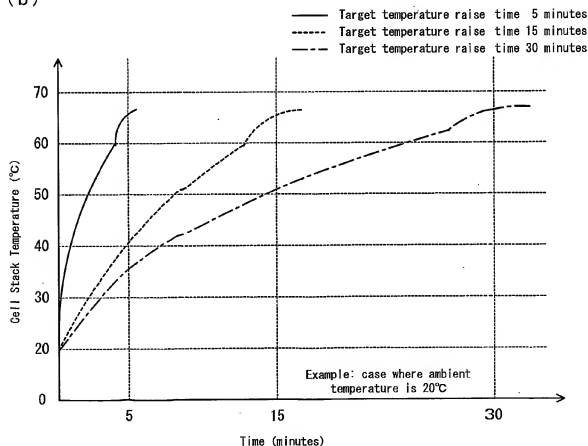
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FIG. 4

(a)

Target temperature raise time \ Cell stack temperature	5°C >	5°C ≤ 15°C >	15°C ≤ 25°C >	25°C ≤
5 minutes	16wt%	14wt%	10wt%	6wt%
15 minutes	10wt%	8wt%	6wt%	4wt%
30 minutes	8wt%	6wt%	5wt%	4wt%

(b)



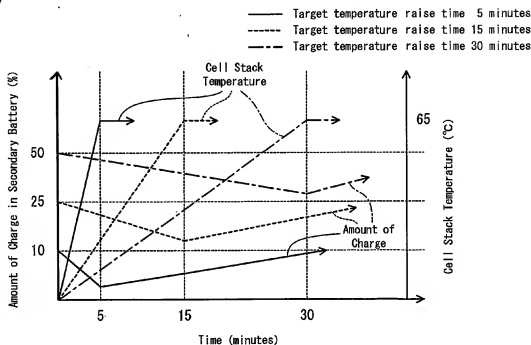
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FIG. 5

(a)

Amount of Charge in Secondary Battery	$10\% \leq 25\%$	$25\% \leq 50\%$	$50\% \leq$
Target temperature raise time	5 minutes	15 minutes	30 minutes

(b)



(c)

Cell stack temperature	$5^{\circ}\text{C} >$	$5^{\circ}\text{C} \leq 15^{\circ}\text{C} >$	$15^{\circ}\text{C} \leq 25^{\circ}\text{C} >$	$25^{\circ}\text{C} \leq$
Amount of Charge in Secondary Battery				
$10\% \leq 25\%$	16wt%	14wt%	10wt%	6wt%
$25\% \leq 50\%$	10wt%	8wt%	6wt%	4wt%
$50\% \leq$	8wt%	6wt%	5wt%	4wt%

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F I G . 6

(a)

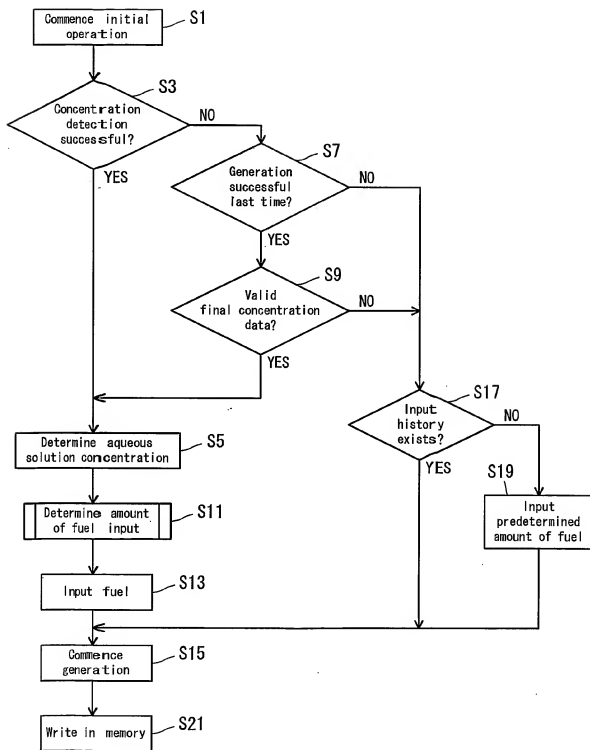
Temperature Difference between Cell stack and Ambient Temperature	0°C≤ 10°C>	10°C≤ 20°C>	20°C≤ 30°C>	30°C≤
Amount of Correction	10cc	15cc	20cc	25cc

(b)

Amount of Charge in Secondary Battery	0%≤ 10%>	10%≤ 25%>	25%≤ 50%>	50%≤
Target Concentration	Do not start system	16wt%	10wt%	8wt%

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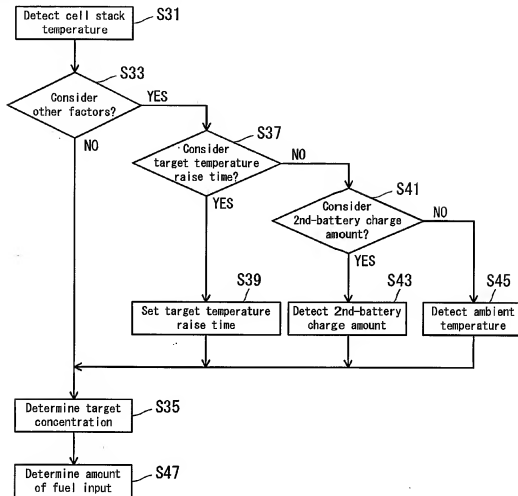
FIG. 7



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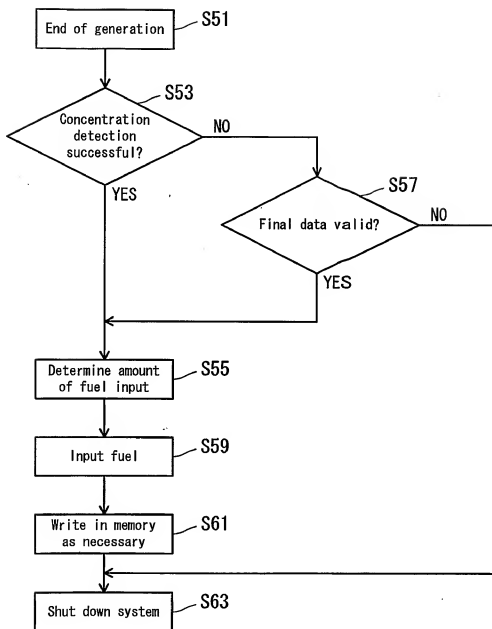
FIG. 8

Input Amount Determination Subroutine



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F I G. 9



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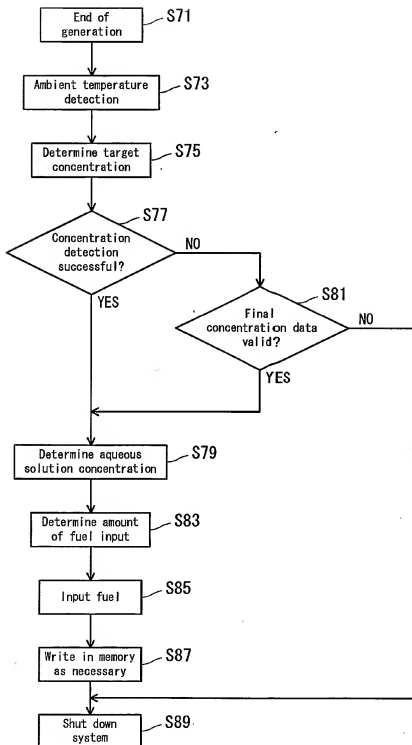
FIG. 10

Target Concentration: 6wt%

Concentration of Methanol Aqueous Solution at the end of generation	0wt% ≤ 2wt% >	2wt% ≤ 4wt% >	4wt% ≤ 6wt% >	6wt% ≤
Amount of Methanol Fuel Input	200cc	160cc	120cc	100cc

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FIG. 11









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F I G. 1 2

Ambient Temperature	$0^{\circ}\text{C} \leq$ $10^{\circ}\text{C} >$	$10^{\circ}\text{C} \leq$ $20^{\circ}\text{C} >$	$20^{\circ}\text{C} \leq$ $30^{\circ}\text{C} >$	$30^{\circ}\text{C} \leq$ $40^{\circ}\text{C} >$	$40^{\circ}\text{C} \leq$
Target Concentration	8wt%	7wt%	6wt%	5wt%	4wt%

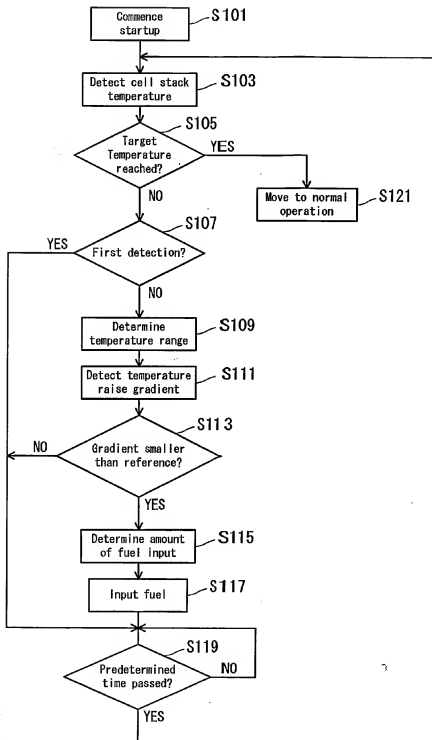
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FIG. 13

Temperature Range (°C)	Temperature Raise Reference Gradient (°C/min)	Amount of Fuel Input (cc)
60 - 65	 0.5	3
50 - 60	 1.0	4
40 - 50	 1.5	6
30 - 40	 2.0	8
20 - 30	 2.5	10
0 - 20	 3.0	12

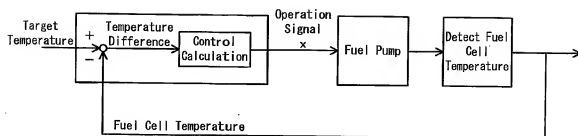
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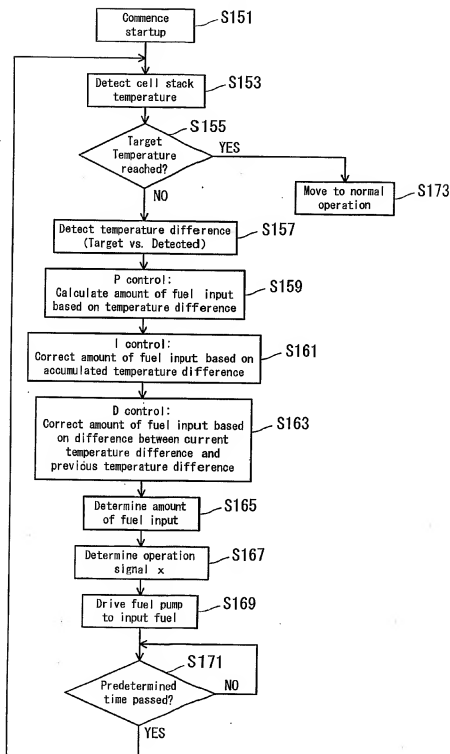
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FIG. 15



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FIG. 16



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FIG. 17

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